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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/995,872	11/29/2001	Si-Nin Quan	-	1604
7:	590 10/18/2005		EXAMINER	
Si-Nin Quan			DUVERNE, JEAN F	
3186 Yakima C San Jose, CA			ART UNIT	PAPER NUMBER
5an 3030, C71	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		2839	
			DATE MAILED: 10/18/2005	

Please find below and/or attached an Office communication concerning this application or proceeding.

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		Application No.	Applicant(s)			
Office Action Summary		09/995,872	QUAN ET AL.			
		Examiner	Art Unit			
		Jean F. Duverne	2839			
The MAILING DA Period for Reply	TE of this communication	appears on the cover sheet w	vith the correspondence ac	ldress		
WHICHEVER IS LONG - Extensions of time may be available after SIX (6) MONTHS from the lif NO period for reply is specification. - Failure to reply within the set of Any reply received by the Office earned patent term adjustment.	SER, FROM THE MAILING allable under the provisions of 37 CFF ie mailing date of this communication, ied above, the maximum statutory per or extended period for reply will, by state later than three months after the m	PLY IS SET TO EXPIRE 3 NO DATE OF THIS COMMUNICATION OF THIS COMMUNICATION, EVEN IN THIS COMMUNICATION, EVEN EVEN EVEN EVEN EVEN EVEN EVEN EV	ICATION. reply be timely filed NTHS from the mailing date of this c BANDONED (35 U.S.C. § 133).			
Status						
′≡ ·	ommunication(s) filed on <u>2</u>	<u>-</u>				
2a)⊠ This action is FIN	,	This action is non-final.				
. —		wance except for formal mat	•	e merits is		
closed in accorda	ance with the practice unde	er <i>Ex parte Quayle</i> , 1935 C.I	J. 11, 453 O.G. 213.			
Disposition of Claims	•					
4)⊠ Claim(s) <u>1-5</u> is/ar	e pending in the application	on.				
4a) Of the above	claim(s) is/are with	drawn from consideration.		Q		
5) Claim(s) is	/are allowed.					
6)⊠ Claim(s) <u>1-5</u> is/ar	e rejected.					
7) Claim(s) is	•		·			
8) Claim(s) a	Claim(s) are subject to restriction and/or election requirement.					
Application Papers						
9) The specification	is objected to by the Exam	niner.				
10) The drawing(s) file	ed on is/are: a)□ a	accepted or b)□ objected to	by the Examiner.			
Applicant may not	request that any objection to	the drawing(s) be held in abeya	nce. See 37 CFR 1.85(a).			
Replacement draw	ing sheet(s) including the cor	rection is required if the drawing	រ(s) is objected to. See 37 Cl	FR 1.121(d).		
11) The oath or decla	ration is objected to by the	Examiner. Note the attache	d Office Action or form P7	ΓO-152.		
Priority under 35 U.S.C. §	119					
12) ☐ Acknowledgment a) ☐ All b) ☐ Som		eign priority under 35 U.S.C.	§ 119(a)-(d) or (f).			
1. Certified co	opies of the priority docum	ents have been received.				
	· · · · · · · · · · · · · · · · · · ·	ents have been received in A				
·	·	priority documents have beer	received in this National	Stage		
• •	from the International Bur	,				
* See the attached of	etailed Office action for a	list of the certified copies not	received.			

3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____.

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PTOL-326 (Rev. 7-05)

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1) Notice of References Cited (PTO-892) .

2) Notice of Draftsperson's Patent Drawing Review (PTO-948)

Attachment(s)

4) Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.

6) Other: ____.

5) Notice of Informal Patent Application (PTO-152)

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DETAILED ACTION

Claim Rejections - 35 USC § 103

- 1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 2. Claims 1-5 are rejected under 35 U.S.C. 103(a) as being unpatentable over Griswold ()US005371436A).

In regard to claims 1-2 and 5, Griswold's device discloses a spark plug terminal (see figs 1-21) electrically and mechanically connected to a spark plug cable terminal (28), comprising: a cotter pin (see attachment) which is inserted on a portion of said spark plug terminal; a spacer at 238 or 132 which is positioned on said spark plug terminal; a coiled spring (246) located adjacent to said spacer whereby the spring pressure is applied against the spacer; a slotted spark plug cable terminal; and a sliding spark plug cover at 126; wherein the slotted spark plug cable terminal sitting on the spring loaded spacer and being hooked up by the cotter pin so as to form an interlocking mechanism. However, Griswold's device fails to explicit disclose the cotter pin being placed in the upper portion of the plug terminal. It would have been obvious to one having ordinary skill art at the time the invention was made to place the cotter pin being placed in the upper portion of the plug terminal, since it has been held that rearranging parts of an invention involves only routine skill in the art. In re Japikse, 86 USPQ 70. It would have been obvious to one having ordinary skill art at the time the

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invention was made to place the cotter pin being placed in the lower portion of the plug terminal instead of upper portion in order to improve the interconnection of plug terminal in Griswold's device.

In regard to claims 3-4, Griswold's device discloses the aforementioned limitations including the cover with the sliding features along the plug cable terminal, and the pressing (pushing force) and turning limitations (the treading features or see fig. 20).

Response to Amendment

1. Applicant's arguments filed on 7/27/2005 have been fully considered but they are not persuasive. The claims do not define structural structure features that distinguish over prior art: For example, Griswold's device discloses a spark plug terminal (see figs 1-21) electrically and mechanically connected to a spark plug cable terminal (28), comprising: a cotter pin which is inserted on a portion of said spark plug terminal as stated above. The flexibility limitation as stated in the argument is recited in the claims. Therefore, the reference, as shown above meets the claims limitations. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the

shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jean F. Duverne whose telephone number is (571) 272-2091. The examiner can normally be reached on 9:00-7:30, Monday-Thursday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, TC Patel can be reached on (571) 272-2098. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free).

JFD

10/17/2005

Jean Franta Duverne

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